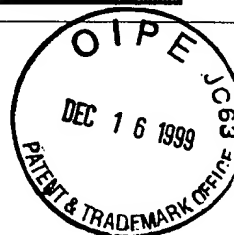




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PATENT ABSTRACTS OF JAPAN

(11)Publication number: 09322076

(43)Date of publication of application:
12. 12. 1997

(51)Int. Cl.

H04N 5/335

(21)Application number:
08129994

(71)Applicant: FUJI FILM MICRO DEVICE KK
FUJI PHOTO FILM CO LTD

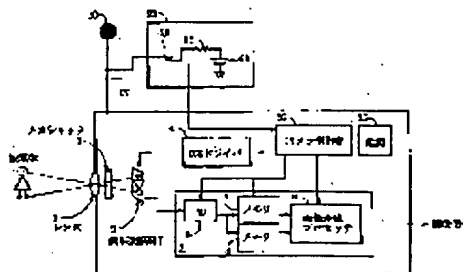
(22)Date of filing: 24. 05. 1996 (72)Inventor: KAWAJIRI KAZUHIRO

(54) ELECTRONIC PHOTOGRAPHING CAMERA AND PHOTOGRAPHING METHOD THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To enlarge a dynamic range without enlarging a chip area by changing the length of first and second electric charge storage time, forming the image signals of the same scale based on an obtained electric charge and synthesizing them.

SOLUTION: A solid-state image pickup element 3 outputs the image signals for two times. That is, the image signal formed based on the electric charge stored in a photodiode during the first storage time is outputted as a first image signal and the image formed based on the electric charge stored in the photodiode during the second storage time thereafter is outputted as a second image signal. Memories 7 and 8 can respectively store the images of one frame. The memories 7 and 8 respectively store first and second image signals supplied from an A/D



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converter 6. An image synthesis processor 9 synthesizes the first and second image signals stored in the memories 7 and 8, generates the image signals having the wide dynamic range and outputs them to the outside.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's
decision of rejection]

[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]

[Date of final disposal for
application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

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